

Data Path : U:\HPCHEM1\BNA G\DATA\BG020218\
 Data File : BG032530.D
 Acq On : 3 Feb 2018 3:11
 Operator : SJ/JU
 Sample : J1436-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 03 03:46:23 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

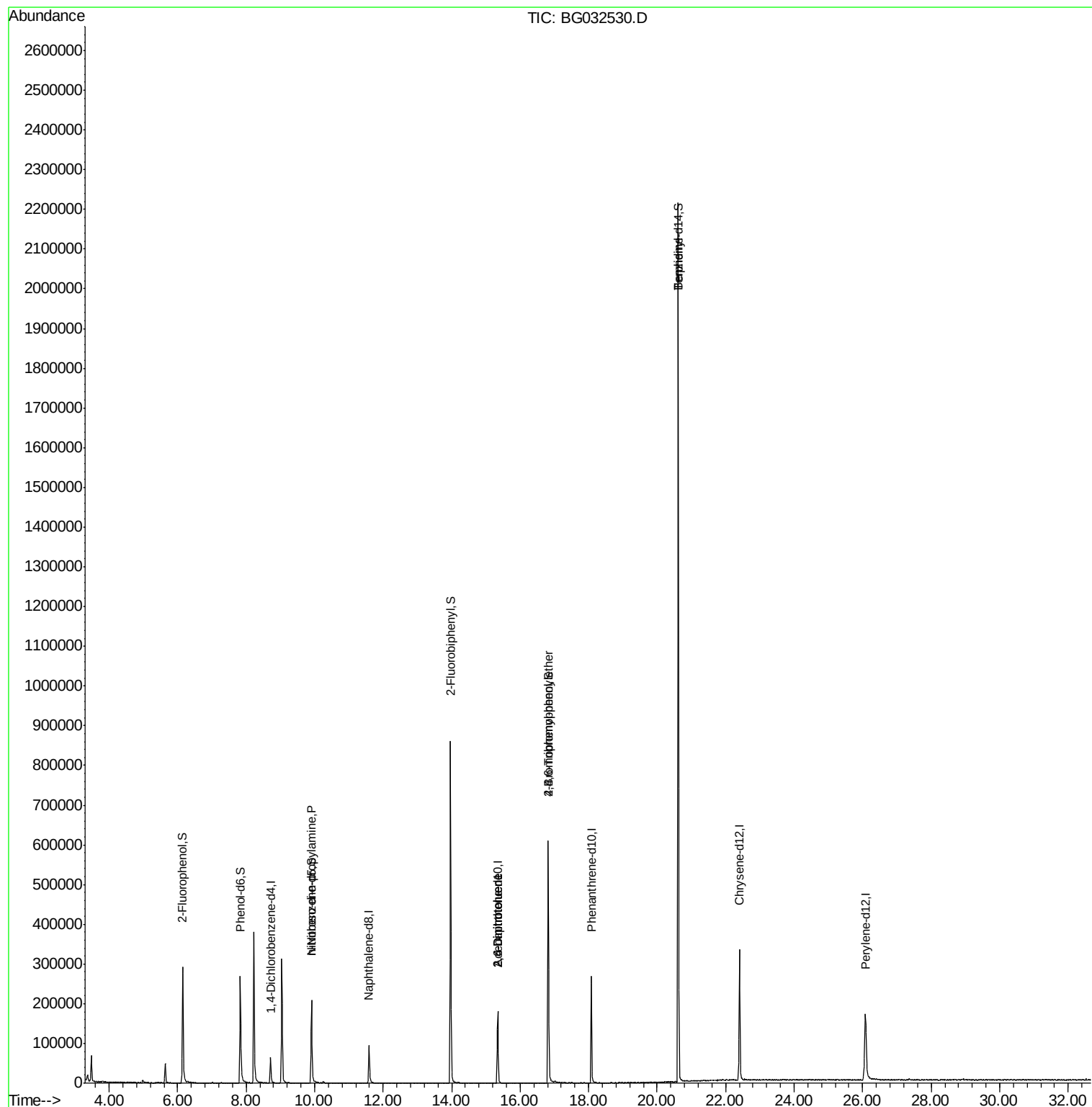
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	26302	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	100602	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	73836	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	202385	20.00	ng	0.00
75) Chrysene-d12	22.40	240	267792	20.00	ng	-0.01
86) Perylene-d12	26.09	264	271875	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	162540	124.12	ng	0.00
7) Phenol-d6	7.83	99	186990	107.01	ng	0.00
23) Nitrobenzene-d5	9.91	82	149490	92.81	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	164679	117.17	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	545785	87.86	ng	-0.01
78) Terphenyl-d14	20.62	244	1196516	95.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.91	70	21017	18.140	ng	# 82
50) 2,6-Dinitrotoluene	15.34	165	9287	6.499	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	9287	4.565	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	12707	4.238	ng	# 1
76) Benzidine	20.62	184	17445	3.318	ng	# 90

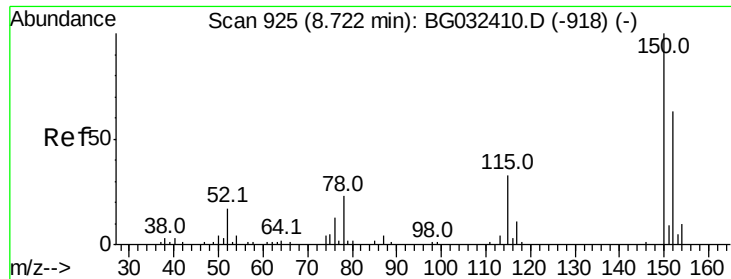
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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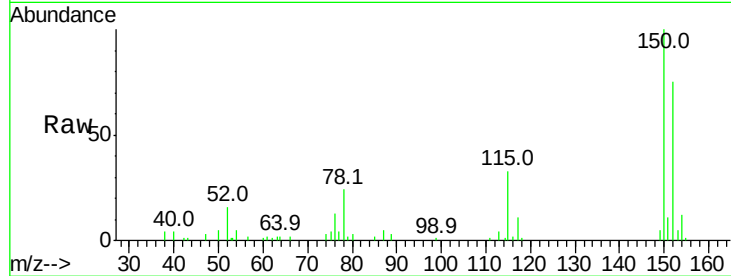


#1

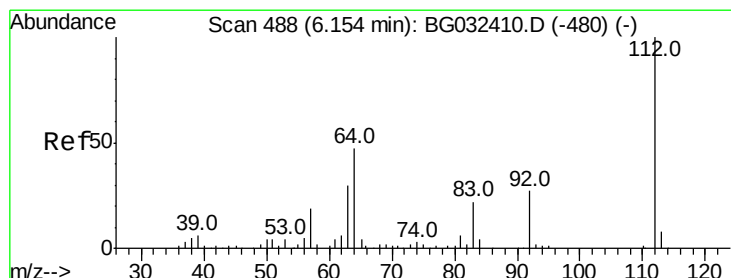
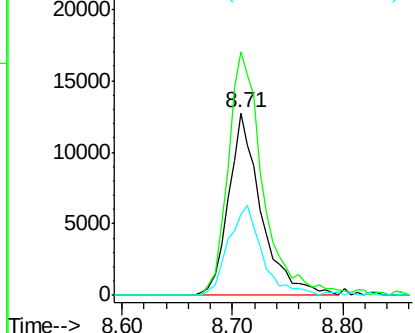
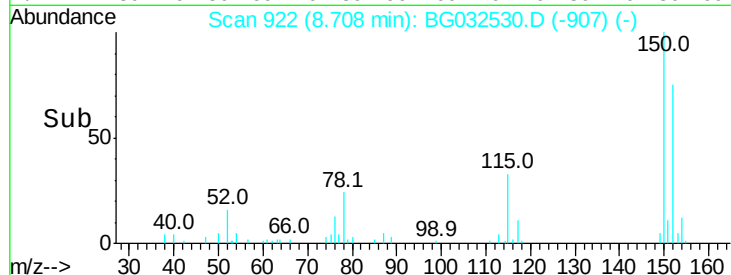
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.71 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BG032530.D
 Acq: 3 Feb 2018 3:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 26302
 Ion Ratio Lower Upper
 152 100
 150 133.3 126.6 189.8
 115 44.3 53.0 79.4#



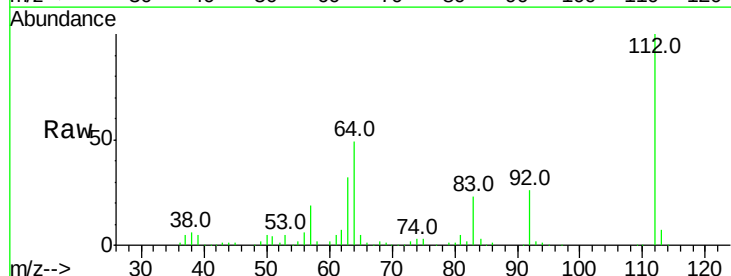
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



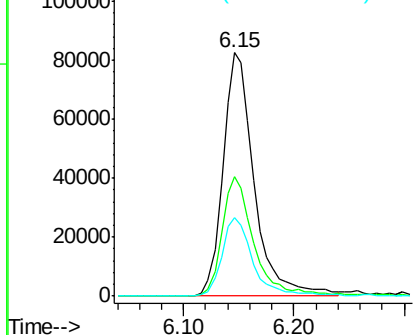
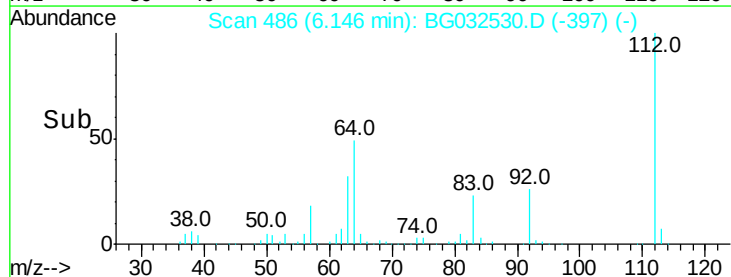
#5

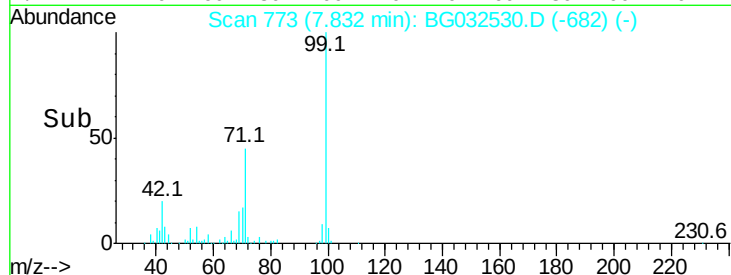
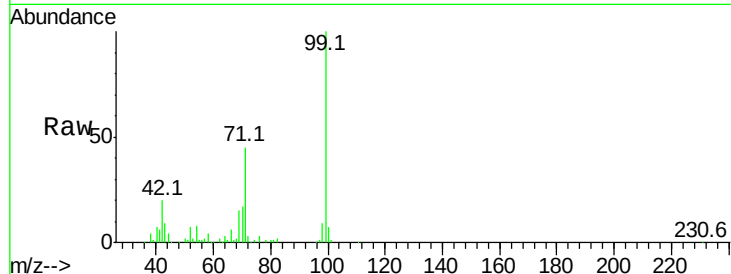
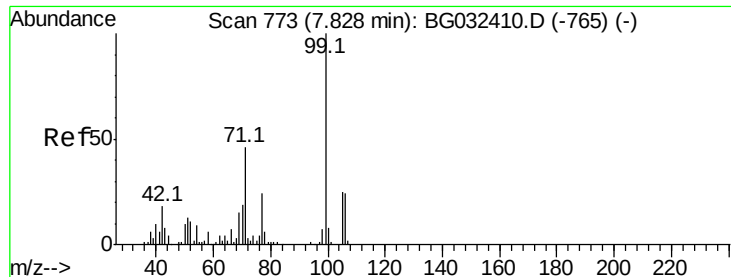
2-Fluorophenol
 Concen: 124.124 ng
 RT: 6.15 min Scan# 486
 Delta R.T. -0.01 min
 Lab File: BG032530.D
 Acq: 3 Feb 2018 3:11

Tgt Ion:112 Resp: 162540
 Ion Ratio Lower Upper
 112 100
 64 48.9 56.3 84.5#
 63 32.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG0
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 107.010 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032530.D

Acq: 3 Feb 2018 3:11

Instrument :

BNA_G

ClientSampled :

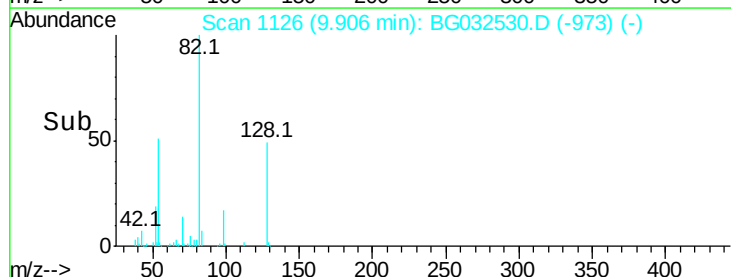
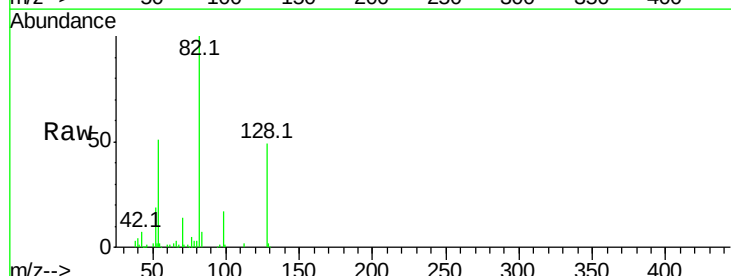
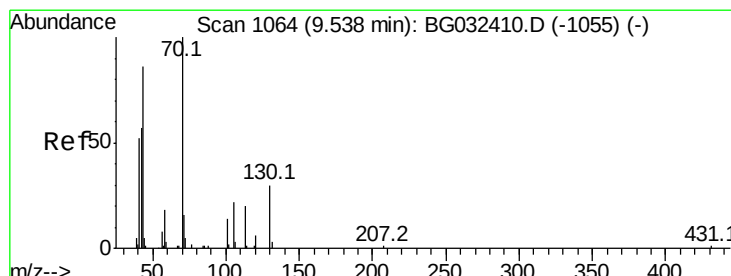
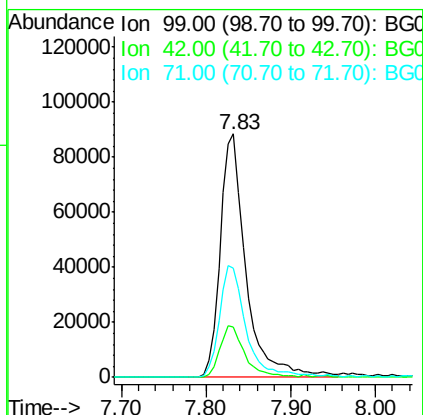
Tot Ion: 99 Resp: 186990

Ion Ratio Lower Upper

99 100

42 20.4 14.1 21.1

71 45.1 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 18.140 ng

RT: 9.91 min Scan# 1126

Delta R.T. 0.37 min

Lab File: BG032530.D

Acq: 3 Feb 2018 3:11

Tgt Ion: 70 Resp: 21017

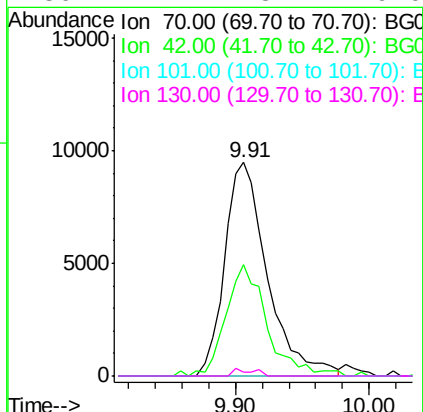
Ion Ratio Lower Upper

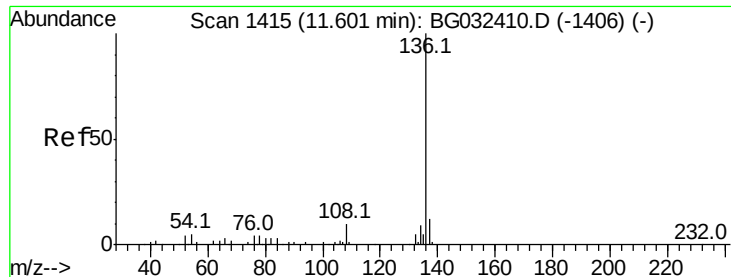
70 100

42 52.3 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

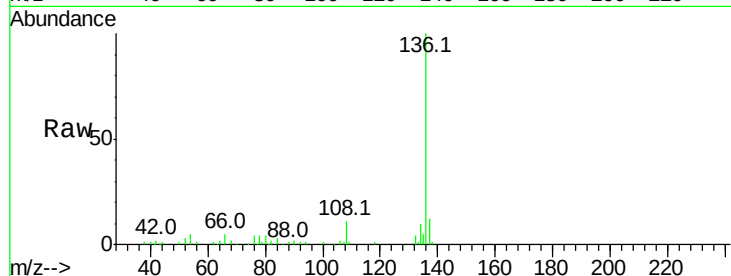




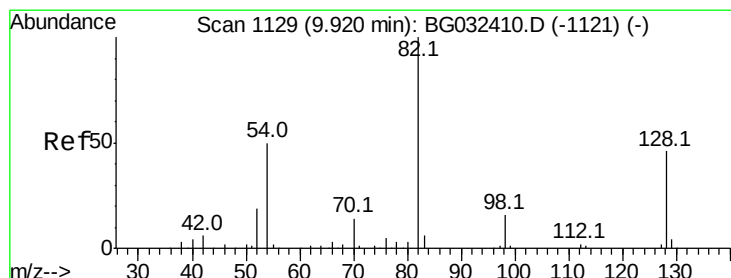
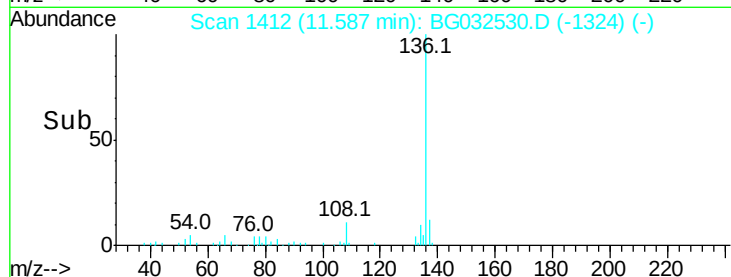
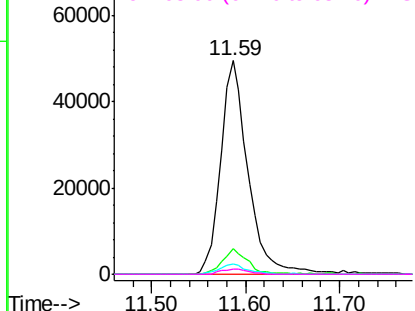
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BG032530.D
Acq: 3 Feb 2018 3:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	100602
Ion	Ratio	Lower Upper
136	100	
137	12.1	9.2 13.8
54	4.8	10.3 15.5#
68	2.3	4.5 6.7#

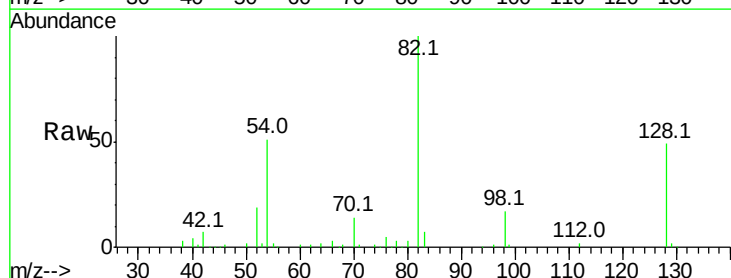


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

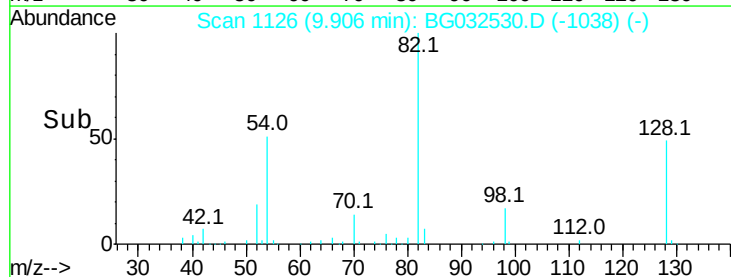
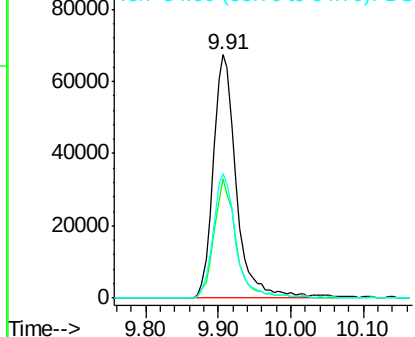


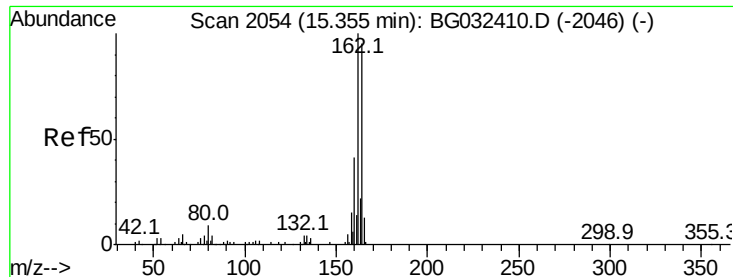
#23
Nitrobenzene-d5
Concen: 92.813 ng
RT: 9.91 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BG032530.D
Acq: 3 Feb 2018 3:11

Tgt Ion: 82	Resp:	149490
Ion	Ratio	Lower Upper
82	100	
128	49.3	29.7 44.5#
54	51.3	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BG032530.D

Acq: 3 Feb 2018 3:11

Instrument :

BNA_G

ClientSampleId :

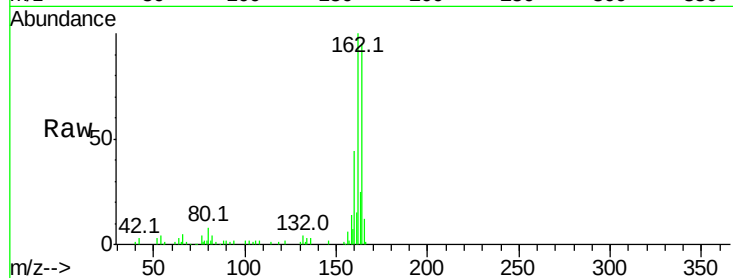
Tot Ion:164 Resp: 73836

Ion	Ratio	Lower	Upper
164	100		
162	105.8	78.8	118.2
160	46.8	35.4	53.0

164 100

162 105.8 78.8 118.2

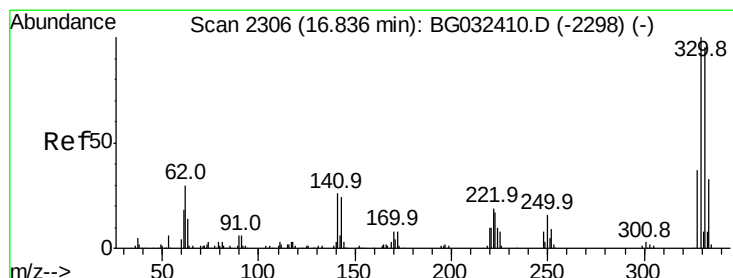
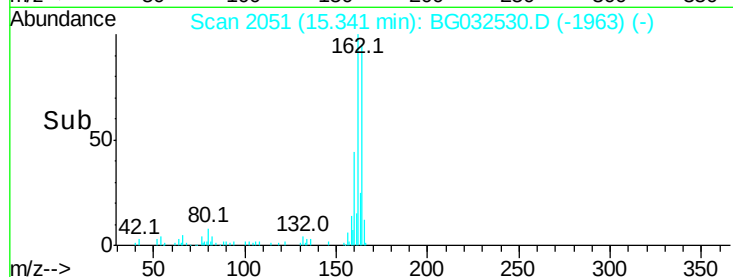
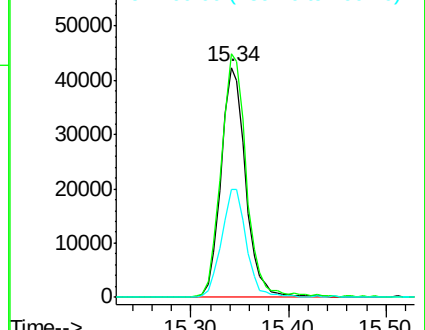
160 46.8 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 117.170 ng

RT: 16.82 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BG032530.D

Acq: 3 Feb 2018 3:11

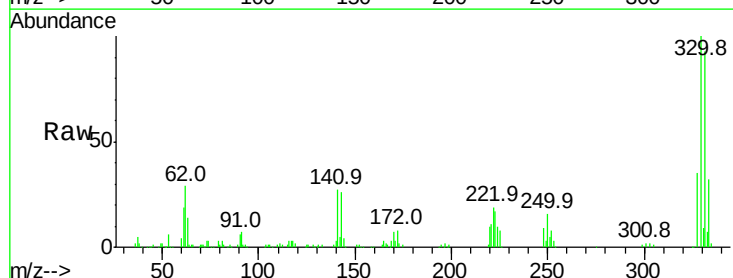
Tgt Ion:330 Resp: 164679

Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	27.6	25.2	37.8

330 100

332 94.7 77.0 115.6

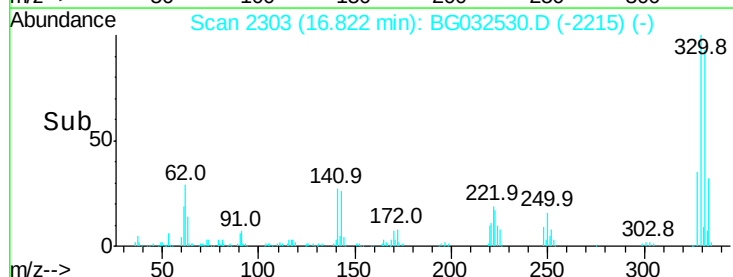
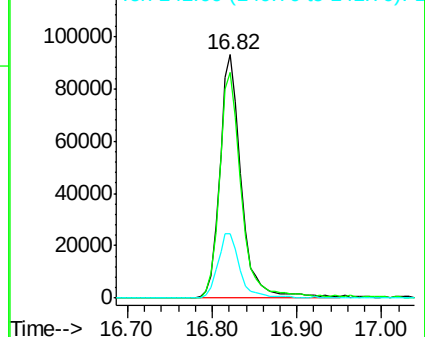
141 27.6 25.2 37.8

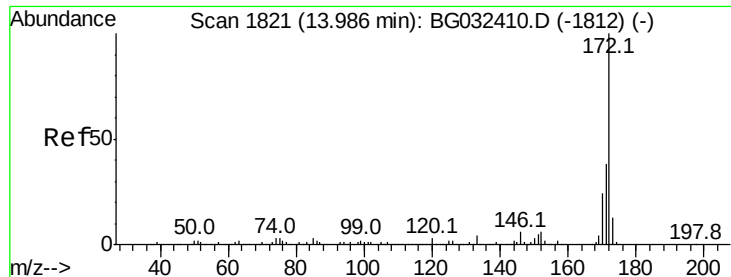


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

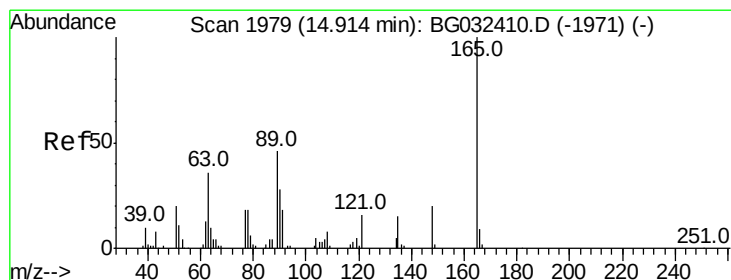
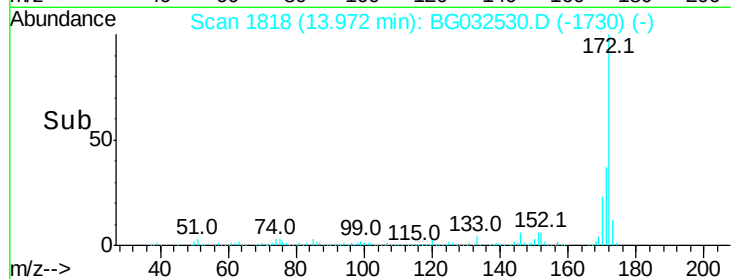
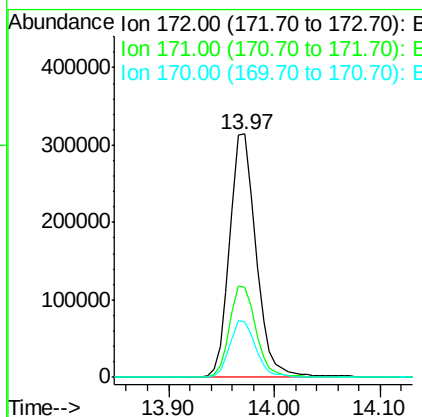
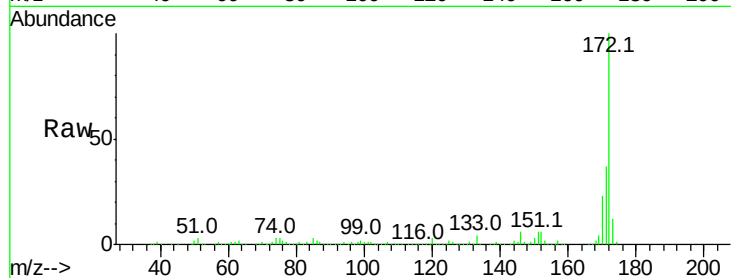




#44
2-Fluorobiphenyl
Concen: 87.857 ng
RT: 13.97 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BG032530.D
Acq: 3 Feb 2018 3:11

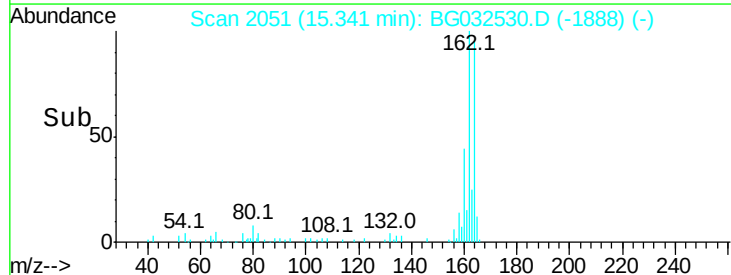
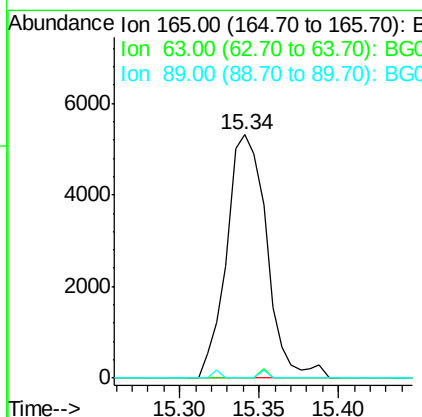
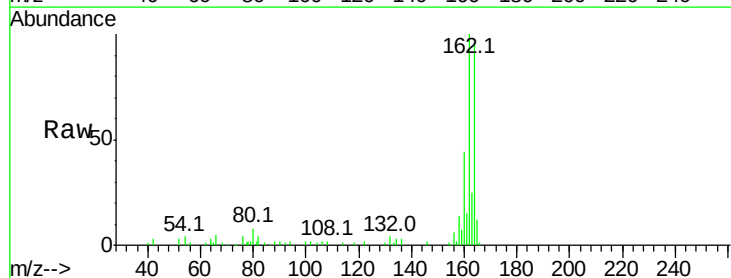
Instrument :
BNA_G
ClientSampleId :

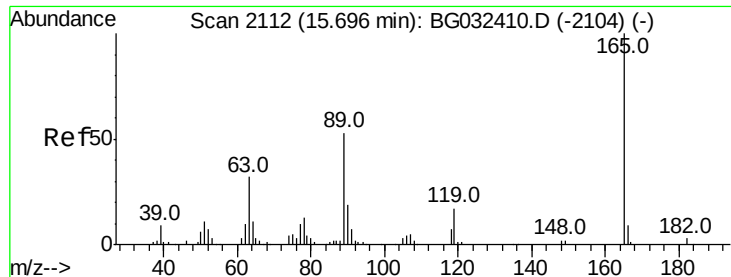
Tot Ion:172 Resp: 545785
Ion Ratio Lower Upper
172 100
171 37.0 30.0 45.0
170 22.8 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 6.499 ng
RT: 15.34 min Scan# 2051
Delta R.T. 0.43 min
Lab File: BG032530.D
Acq: 3 Feb 2018 3:11

Tgt Ion:165 Resp: 9287
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

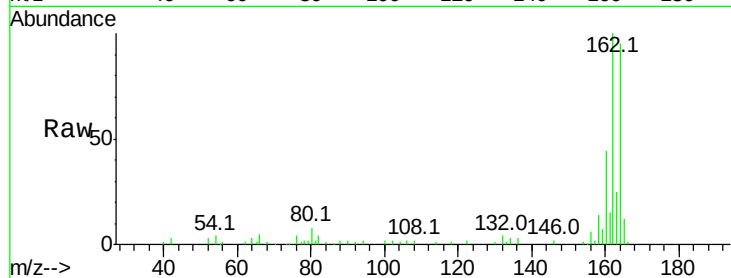




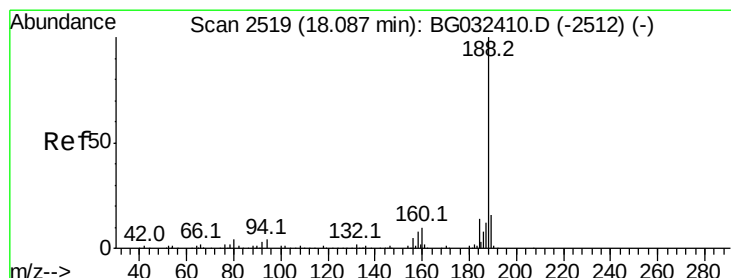
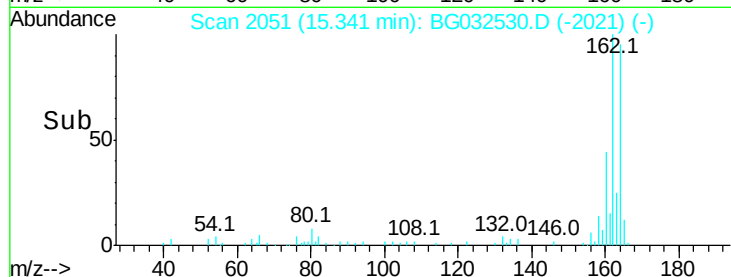
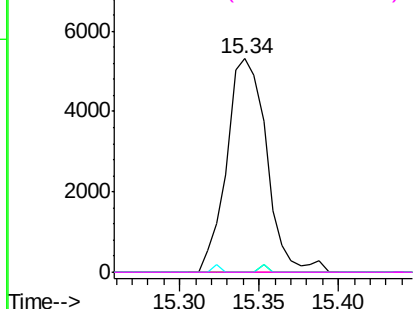
#56
 2,4-Dinitrotoluene
 Concen: 4.565 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. -0.35 min
 Lab File: BG032530.D
 Acq: 3 Feb 2018 3:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9287
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

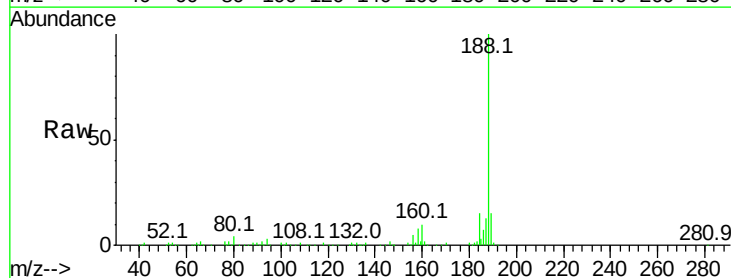


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

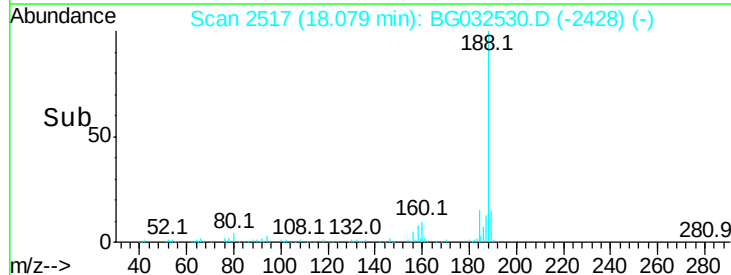
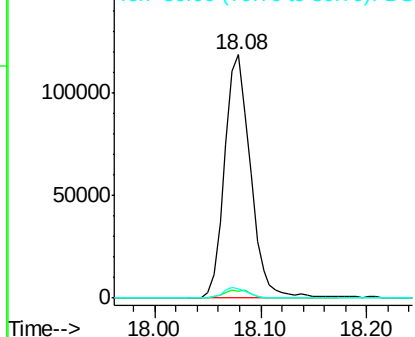


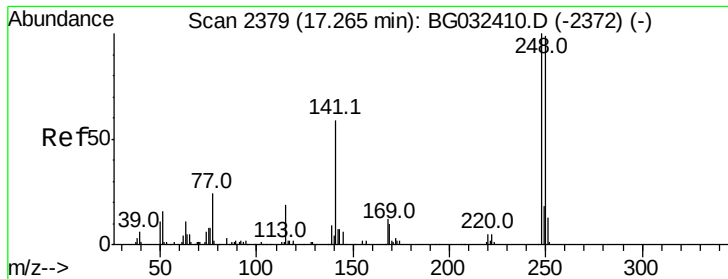
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032530.D
 Acq: 3 Feb 2018 3:11

Tgt Ion:188 Resp: 202385
 Ion Ratio Lower Upper
 188 100
 94 3.0 6.9 10.3#
 80 3.9 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

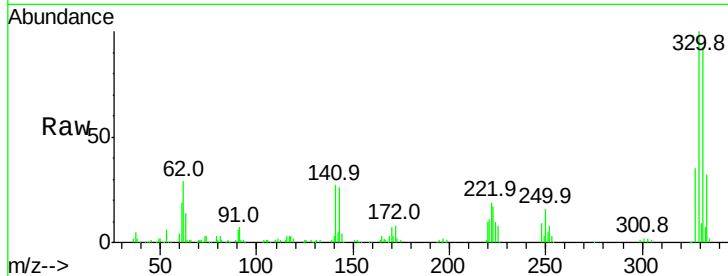




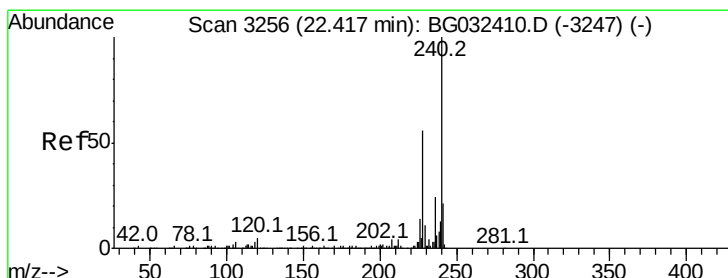
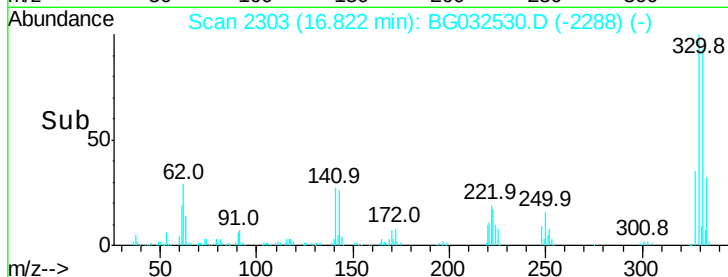
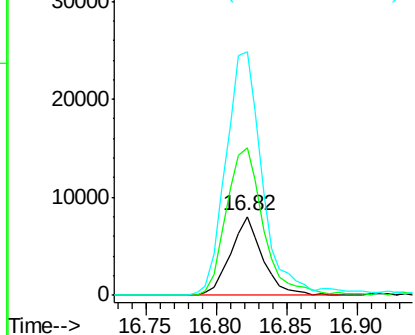
#66
 4-Bromophenyl-phenylether
 Concen: 4.238 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.44 min
 Lab File: BG032530.D
 Acq: 3 Feb 2018 3:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12707
 Ion Ratio Lower Upper
 248 100
 250 186.5 77.1 115.7#
 141 308.9 50.8 76.2#

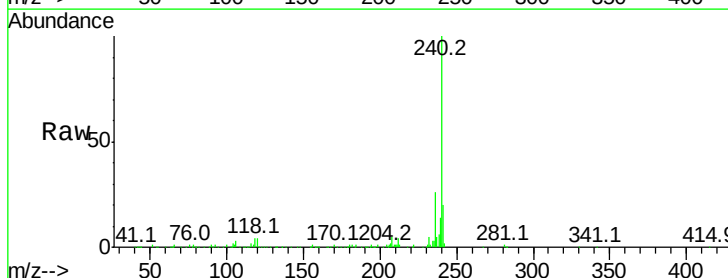


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

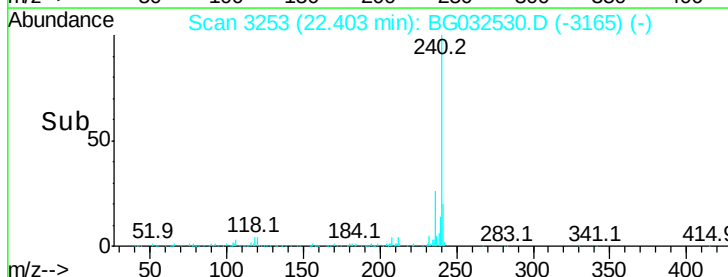
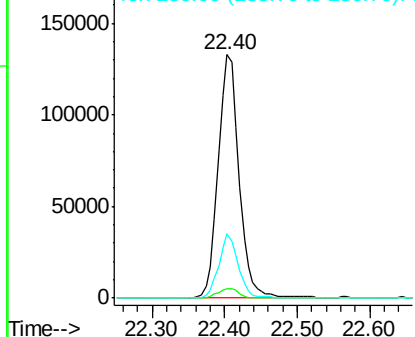


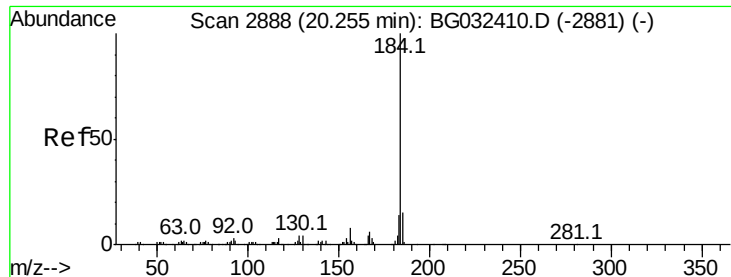
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.40 min Scan# 3253
 Delta R.T. -0.01 min
 Lab File: BG032530.D
 Acq: 3 Feb 2018 3:11

Tgt Ion:240 Resp: 267792
 Ion Ratio Lower Upper
 240 100
 120 3.9 6.8 10.2#
 236 26.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

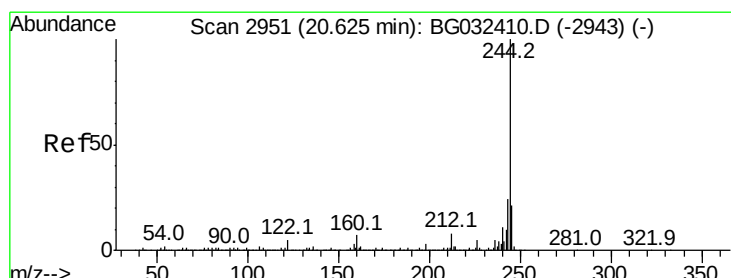
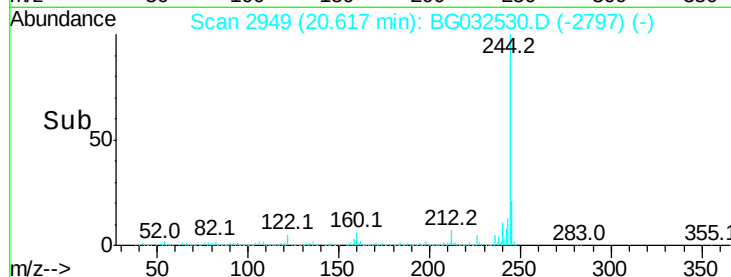
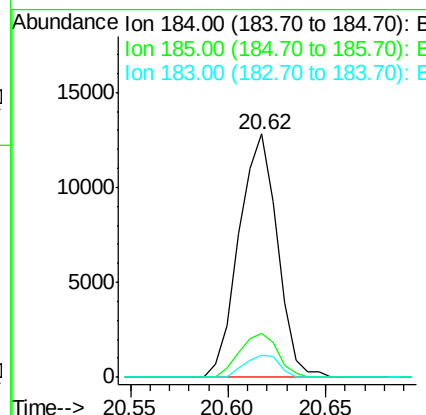
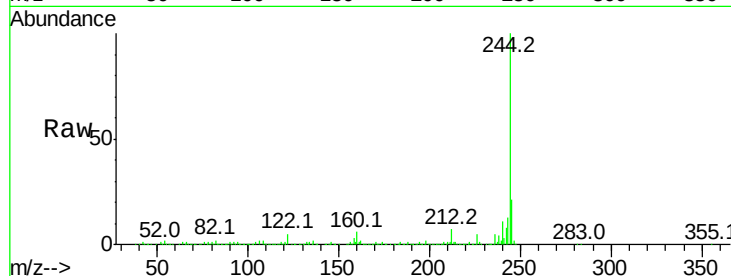




#76
Benzidine
Concen: 3.318 ng
RT: 20.62 min Scan# 2949
Delta R.T. 0.36 min
Lab File: BG032530.D
Acq: 3 Feb 2018 3:11

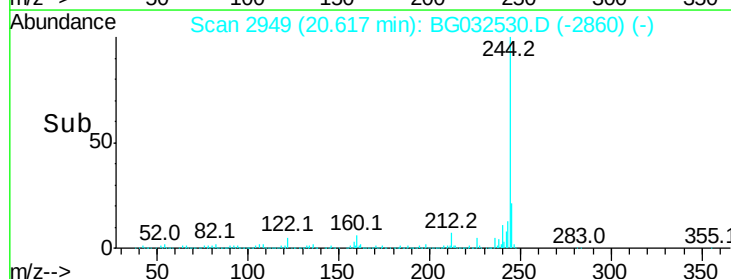
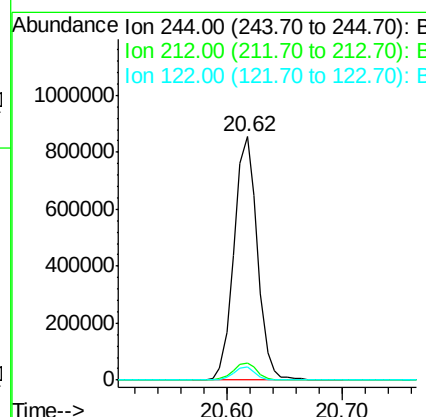
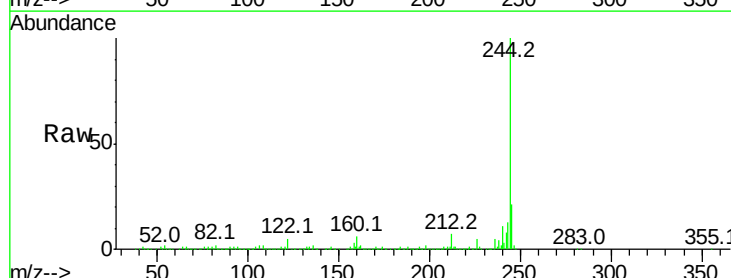
Instrument :
BNA_G
ClientSampleId :

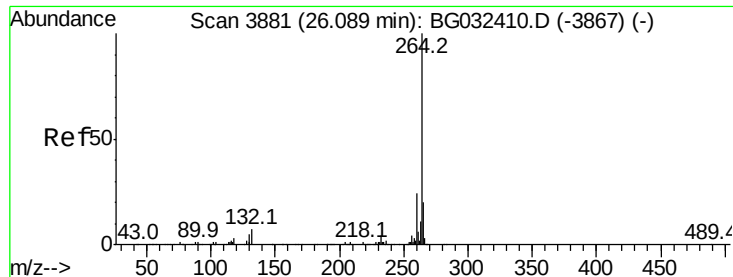
Tot Ion:184 Resp: 17445
Ion Ratio Lower Upper
184 100
185 17.8 11.1 16.7#
183 9.1 10.6 16.0#



#78
Terphenyl-d14
Concen: 95.710 ng
RT: 20.62 min Scan# 2949
Delta R.T. -0.01 min
Lab File: BG032530.D
Acq: 3 Feb 2018 3:11

Tgt Ion:244 Resp: 1196516
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 5.2 7.0 10.4#

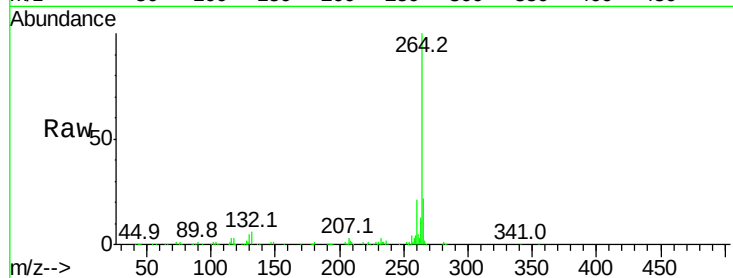




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.09 min Scan# 3880
 Delta R.T. -0.00 min
 Lab File: BG032530.D
 Acq: 3 Feb 2018 3:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.3	17.4	26.0
265	21.9	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

